

# Supplementary Table 3

Supplemental Table 2  
Patient characteristics

Paired lung metastasis breast tumor	age tissue harvest	Race	Met Grade differentiation status: 1=well, 2=moderate, 3=poor, NA=no info available	Met Size (cm)	Met ER (POS)=positive without exact percent, (NEG)=negative without exact percent, NA=no info available	Met PR (POS)=positive without exact percent, (NEG)=negative without exact percent, NA=no info available	Met HER2: HER2 score as 0, 1+, 2+, 3+, (NEG)=negative without exact HER2 score, POS=(FISH)=positive confirmed by FISH	Primary Breast Cancer	Primary Breast tumor (cm)	Primary Tumor Grade differentiation status: 1=well, 2=moderate, 3=poor, NA=no info available	LN#Met: shown as #pos/LN# number, NA=no data available	Stage I	Stage II	Stage III	ER: Same with Met ER	PR: Same with Met PR	HER2: Same with Met HER2	Ki67 (%)	Note
	54	Unknown	NA	1.8	NA	NA	2+/POS(FISH)	IDC	2.3	3	1/10	4	3	0	0	0	3+/POS(FISH)	NA	
EB0-12	56	White	3	1.8	?(NEG)	?(NEG)	NA	IDC	2.1	3	0/3	2	0	0	0	0	1+	70%	Brain metastasis in 2013
CB0-12	53	Black	2	0.6,0.5	?(POS)	?(NEG)	NEG(FISH)	Papillary DCIS	0.9	NA	0/22	1	0	0	?(POS)	?(POS)	NA	NA	
FB-6	42	Asian	NA	2.0	>90%	0	1+/NEG(FISH)	IDC	1.9	2	0/19	1	0	0	60%	90%	0	35%	
AB0-12	45	White	3	2.5	100%	0	3+	IDC	2.0	3	4/20	2	3	0	15%	16%	3+	36%	
AL-3	56	Hispanic	3	NA	<5%	0	1+	IDC	1.5	3	0/8	1	0	0	NA	NA	NA	NA	Brain metastasis in 2003 (tissue available in this TMA)
EP-9	49	Hispanic	3	1.5	NA	NA	NA	IDC	2.3	3	0/14	2	0	0	0	0	NEG(FISH)	90%	It was very hard to determine whether this lung adenocarcinoma is a primary lung or recurrence from the breast.
AH-6	73	White	2	NA	?(POS)	?(NEG)	NA	Breast cancer	NA	NA	NA				NA	NA	NA	NA	
EL-3	49	White	2	1.2	?(POS)	?(NEG)	NEG(FISH)	IDC	1.2	1	NA	1	0	0	100%	100%	NA	25%	
CB-6	53	White	3	1.0	0	0	NA	IDC	2.2	3	0/11	2	0	0	0	0	0	NA	
BF-9	74	White	Recurrent/met	3.5	NA	NA	NA	Breast cancer	NA	NA	NA				NA	NA	NA	NA	Recurrent lung metastasis from breast (first lung metastasis located in TMA184-6)
AF-9	43	White	NA	NA	?(POS)	?(NEG)	NA	IDC	2.0	3	7/10	NA	NA	NA	?(POS)	?(POS)	0	30	With history of metastatic breast carcinoma to liver, lung, and bone
FF-9	59	Black	3	1.8	0	0	0	IDC	2.5	3	0/7	2	0	0	<1%	0	90%	90%	
EB-6	68	White	NA	1.5	0	0	NEG(FISH)	IDC	NA	NA	0/22	1	0	0	?(NEG)	?(NEG)	?(NEG)	NA	BRCA1 mutation S385insC
CL-3	50	Black	NA	1.8	60%	0	POS(FISH)	IDC	5	3	0/16	3	0	0	0	0	POS(FISH)	NA	
BB0-12	40	Hispanic	NA	2.8	?(NEG)	?(NEG)	NA	IDC	2.1	3	1/29	2	1	0	?(NEG)	?(POS)	0	NA	With history of metastatic breast carcinoma to lung, bone and brain
GA-3	41	Asian	3	2.5	0	0	3+	IDC	1.0	3	1/8				0	0	3+	NA	Liver metastasis in 2013
DP-9	58	Black	3	1.0	NA	NA	NA	Breast cancer	2.5	NA	10/?				?(NEG)	?(NEG)	?(POS)	NA	
DL-3	64	White	3	NA	NA	NA	NA	IDC	5.0	3	1/8	2	1	0	?(NEG)	?(NEG)	?(NEG)	NA	
FL0-12	61	White	3	4.5	0	0	0	IDC	1.5	3	0/4				0	0	0/NEG(FISH)	80%	BRCA1 mutation. With history of right breast cancer in 2004 (3.0cm, grade III, ER 100%, PR 15% and HER2+)
DL0-12	79	White	2	2.5	90%	NA	NEG(FISH)	IDC	0.7	3	0/3				95%	1%	NEG(FISH)	56%	
BL-6	50	White	3	AND SKELETAL	NA	NA	NA	IDC	0.8	3	1/16				<5%	0	NEG(FISH)	NA	Brain metastasis in 2002 (tissue available in this TMA)
CF-9	49	White	3	4.9	0	NA	NEG(FISH)	IDC	2.5	3	NA	2	0	0	?(NEG)	?(NEG)	?(NEG)	NA	
DL-6	60	White	3	NA	5%	0	POS(FISH)	IDC	1.5	3	0/15	4	0	0	0	0	POS(FISH)	NA	
BL-3	66	White	3	6.0	?(NEG)	?(NEG)	?(FISH)	IDC	2.1	3	1/21	2	1	0	<5%	5%	0	NA	
FL-3	65	White	NA	0.8	?(NEG)	?(NEG)	0	IDC	4.0	2	1/10	2	1	0	0	0	NEG(FISH)	NA	